

# Wireless Services Weekly



March 23, 2005

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## Millard County has Mobile Data

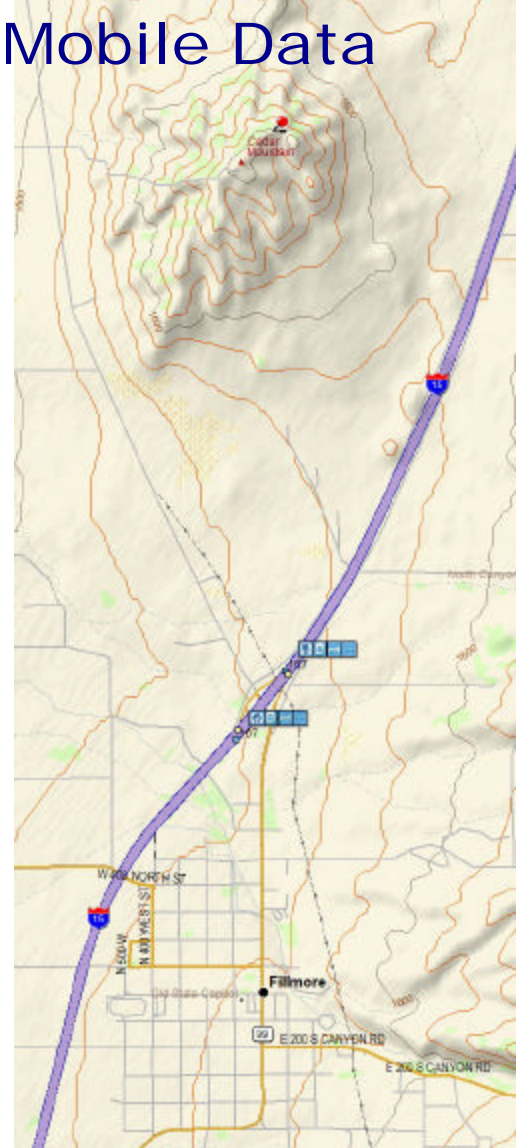
As of Wednesday the 23<sup>rd</sup>, there is state mobile data coverage available in Millard County. The Wireless Services field techs completed the installation of the Cedar Mountain base station.

Cedar Mountain is located just north of Fillmore, on the West side of the highway (see graphic at right).

Trevor Pollock, Al Higgs, Derol Simkins, and Allan Orton completed the installation on the heels of successfully installing the microwave radio hop between the Millard County Sheriff's Office and Cedar Mountain.

Walt Rodriguez, Charmaine Malan and other members of the Mobile Data Project Team have been contributing long hours to the successful rollout of the system. According to Derol Simkins, the installation went quite smoothly. Such successful implementations are the result of superior planning by many different groups within ITS.

Millard County is so pleased with the new cooperative relationship with ITS (the result of a new MOU), that they've asked ITS for quotes to install two more microwave hops for the county.



## Microwave Outage

Last Thursday, the OC3 between Salt Lake and the Alternate Site went down. During a routine software upgrade to a Harris Megastar radio, the SPU module locked-up and took traffic down. There was no way to predict that the upgrade would affect traffic, and procedures have been identified to keep this from happening in the future. Further upgrades will be preceded by locking the SPU controllers so they can't switch during the software upload.

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# 2005 DPS Build Cycle Begins

By: Gala Dumas, DFSS Fleet Supervisor

This week (March 21 – 25) the new Ford Crown Victoria's have finally arrived at the Rampton Complex. They are a bit later getting to us from Ford this year, but all systems are go for the process to begin. We will be equipping 75 Trooper Vic's this year and approximately 60 other types i.e., UHP trucks, and various unmarked sedans. New to the Trooper vehicle class standards this year is the installation of the 700 MHz mobile data system. This has really been a enormous joint effort on the part of ITS and DPS to iron out all intricacies of which new UHP vehicles should get the system; all sections or just part of them? Antenna placement? What about the remaining AT&T modems that need to be used until the 700 system goes state wide? These are just a few issues from a long list...believe me.

My personal lofty goal is to have all of them in service by the end of August. That would mean that we should average 4.7 cars per week. This includes a process of not only equipping the new vehicle but having the old vehicle turned in and stripped of equipment for re-issue as well. I'll get back to you on my goal, but thought you might be interested in viewing the 2003 and 2004 statistics.

In the 3 years that I have been working as the DFSS fleet liaison between DPS and ITS we have made great advancements in the installation process. Every year goes a little smoother and faster and

2003 Build Cycle	2004 Build Cycle
<b><u>Equipped 109</u></b> <b>Pre Wired Ford Crown Victoria</b> <b>Police Package</b>	<b><u>Equipped 85</u></b> <b>Pre Wired Ford Crown Victoria</b> <b>Police Package</b>
Begin date: December 12th	Begin date: January 15th
End date: September 26th	End date: July 20th
9 months averaging *14 days each.	6 months averaging *10 days each.
<b><u>Equipped 15</u></b> <b>UHP Ford Trucks</b>	<b><u>Equipped 20</u></b> <b>UHP Ford Trucks</b>
Begin date: September 18th	Begin date: June 10th
End date: November 21st	End date: September 26th
*9 weeks.	*13 weeks.
* This included weekends and holidays.	

I expect that trend to continue this year. The quality of work and customer satisfaction that ITS places on not only DPS, but all of their customers, is top notch. If you can find the time you should drop in for a short tour and explanation of the process, I will be happy to show you around.

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## Glenn Murray Retires

Glen Murray is the Jail Dispatch Commander with the Tooele County Sheriff's Office. In addition to his responsibilities as the manager of the Toole County Dispatch Center, Glen has been a strong supporter of the process that has produced the new statewide mobile data network. Glenn will retire at the end of the month.

Glenn played a key role in bringing Tooele County up to E-911 Phase Two. This means when a dispatcher in Tooele County receives a 911 phone call from a cellular user, their coordinates will be displayed on a map, allowing the dispatcher to send help even if the caller hangs up, or doesn't know how to describe their location.

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## Way 2 Go Trevor!

Trevor Pollock received a letter from Governor Huntsman, thanking him for his efforts in the recent St. George Flooding.

Among other remarks in the letter: *"You are to be commended for working through the night so communication systems would be available for emergency responders."*

Governor Huntsman added a personal touch by scratching out "Mr. Pollock" and handwriting "Trevor" at the top of the page. Also, after signing the letter, he handwrote "Thank you!" at the bottom.



Al Higgs was also working long hours with Trevor to help in the restoration of Washington County communications systems. Thanks to both for once again setting the bar a couple of notches higher!

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## 911 Committee

The March meeting of the State E-911 Committee was held last Thursday.

The two new full-time employees have been identified. Bill Jensen, formerly with Qwest, and Sam Saeva from Utah Retirement System will now start working on the directives outlined by the 911 Committee. Bill Jensen is the project manager, and Sam Saeva will be doing his magic on the finances.

The board once again emphasized the need to get the entire state up to Enhanced 911 (E-911) before prioritizing upgrades to Phases One or Two. That doesn't mean upgrades will not be done, but the lack of location or number identification on 911 calls is a critical issue.

Another high-priority is getting a process in place to accept funding requests from PSAPS and cellular providers. Guidelines must be developed, listing approved equipment, technologies, vendors, etc, that are acceptable for funding requests. Bill and Sam will be entrusted and expected to provide the committee with recommendations.

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## U.W.I.N. *Utah Wireless Integrated Network*

The Technology Steering Committee met at the Logan City PD last Friday. The minutes can be viewed by [clicking here](#). There were 27 in attendance, representing 15 different city, state, and federal agencies.

Tim Cornia is inviting agencies to participate in a 802.11, meshed network pilot, using shared radius authentication. Tim chairs the Wireless Ethernet subcommittee of the UWIN Technology Steering Committee. If you would like to participate in the pilot, or have questions, please contact Tim at (801) 965-4250. [tcornia@utah.gov](mailto:tcornia@utah.gov).

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# 800 MHz Band Reconfiguration

**By: Boyd Webb**  
**Senior Network Planner**

After accepting the proposal from Nextel Communications, for 800 MHz spectrum reconfiguration in late 2004, the Federal Communications Commission established a Transition Administrator to oversee the proposed plan.

On March 11, 2005 the Transition Administrator, or TA, issued a regional prioritization plan under which the 800 MHz NPSPAC regions will have up to 36 months to replace existing 800 MHz equipment and reprogram radios with new frequencies.

In the TA's regional plan, WT-Docket 02-55, Region 41 (Utah) is assigned to what the TA has called "wave one." In other words Utah is in the first wave of regions that will implement the reconfiguration plan. Wave one will officially begin on June 27, 2005 and have no more than 30 months to complete all equipment replacements and frequency reprogramming.

Nextel Communications is obligated, under the plan, to replace any non-compliant equipment and reassign frequencies from spectrum they are vacating. Nextel Communications will pay all reprogramming and associated costs. Agencies are free to negotiate with Nextel through the TA for reimbursement costs.

Agencies that operate equipment in the 800 MHz band should contact the 800 MHz Region 41 chairperson, [Steve Proctor](#), for additional information.

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